

In the claims

1.-27. (cancelled)

28. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering n , the method comprising for each color component and for each pixel:

where an interpretation bit for the value of the pixel for the color component is a first value, displaying the color component for the pixel as the value of the pixel for the color component; and,

where the interpretation bit for the value of the pixel for the color component is a second value, displaying the color component for the pixel as one of:

$[[2n]] \underline{2}^n$ plus the value of the pixel for the color component;

$[[-2n]] \underline{-2}^n$ plus the value of the pixel for the color component;

0.5 plus the value of the pixel for the color component;

where the most significant bit of the plurality of bits of the value of the pixel for the color component is a first value, $[[-2n-1]] \underline{-2}^{n-1}$ plus a value equal to the least significant $(n-1)$ bits of the plurality of bits of the value of the pixel for the color component; and,

where the most significant bit of the plurality of bits of the value of the pixel for the color component is a second value, $[[2n]] \underline{2}^n$ plus a value equal to the least significant $(n-1)$ bits of the plurality of bits of the value of the pixel for the color component.

29. (original) The method of claim 28, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

30. (original) The method of claim 28, wherein $n = 8$.

31. (original) The method of claim 28, wherein displaying the image data comprises forming an image on media.

32. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering n , the method comprising for each color component and for each pixel, where the value of the pixel for the color component has a pair of interpretation bits,

where the pair of interpretation bits for the value of the pixel for the color component has a first pair of values, displaying the color component for the pixel as the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a second pair of values, displaying the color component for the pixel as $[[2n]] \underline{2}^n$ plus the value of the pixel for the color component; and,

where the pair of interpretation bits for the value of the pixel for the color component has a third pair of values, displaying the color component for the pixel as $[[-2n]] - \underline{2}^n$ plus the value of the pixel for the color component.

33. (original) The method of claim 32, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

34. (original) The method of claim 32, wherein displaying the image data comprises forming an image on media.

35. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering n , the method comprising for each color component and for each pixel, where the value of the pixel for the color component has a pair of interpretation bits,

where the pair of interpretation bits for the value of the pixel for the color component has a first pair of values, displaying the color component for the pixel as the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a second pair of values, displaying the color component for the pixel as 0.5 plus the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a third pair of values, displaying the color component for the pixel as $\lfloor [2n] \rfloor \frac{2^n}{2}$ plus (the value of the pixel for the color component divided by 2); and,

where the pair of interpretation bits for the value of the pixel for the color component has a fourth pair of values, displaying the color component for the pixel as $\lfloor [-2n-1] \rfloor \frac{-2^n-1}{2}$ plus (the value of the pixel for the color component divided by 2).

36. (original) The method of claim 35, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

37. (original) The method of claim 35, wherein displaying the image data comprises forming an image on media.

38.-47. (cancelled)

48. (currently amended) A system comprising:

a processor;

a computer-readable medium having image data stored thereon having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, the value of the pixel for each color component having at least one interpretation bit; and,

a computer program executed by the processor to display each color component for each pixel based on a value of the at least one interpretation bit for the value of the color component for the pixel,

wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component, and

wherein the value of each pixel for each color component comprises 8 bits, the values of the pixel for two of the red, green, and blue color components each having a pair of interpretation bits, and the value of the pixel for the other of the red, green, and blue color components having a single interpretation bit.

49. (cancelled)

50. (cancelled)

51. (original) The system of claim 48, wherein the computer program is executed from the computer-readable medium on which the image data is stored.

52. (original) The system of claim 48, wherein the computer program is executed from a different computer-readable medium than the computer-readable medium on which the image data is stored.

53. (original) The system of claim 48, further comprising a display on which the computer program displays each color component for each pixel.

54. (currently amended) A system comprising:

a computer-readable medium having image data stored thereon having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, the value of the pixel for each color component having at least one interpretation bit; and,

means for displaying each color component for each pixel based on a value of the at least one interpretation bit for the value of the color component for the pixel,

wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component, and wherein the value of each pixel for each color component comprises 8 bits, the values of the pixel for two of the red, green, and blue color components each having a pair of interpretation bits, and the value of the pixel for the other of the red, green, and blue color components having a single interpretation bit.

55. (cancelled)

56.-60. (cancelled)